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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/677,403	09/30/2000	CARL A. EDLUND	1018.125US1	6921

5251 7590 05/20/2004  
SHOOK, HARDY & BACON LLP  
2555 GRAND BLVD  
KANSAS CITY,, MO 64108

EXAMINER

BURGE, LONDRA C

ART UNIT PAPER NUMBER

2178

DATE MAILED: 05/20/2004

7

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/677,403

Applicant(s)

EDLUND ET AL.

Examiner

Londra C Burge

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 30 September 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- 1) ☐ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>4</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

1. This action is responsive to communications: Original Application and IDS filed 9/30/2000.
2. Claims 1-29 are pending. Claims 1, 7, 17, 25 and 28 are independent claims.

***Claim Rejections - 35 USC § 103***

3. **The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:**

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 1-3, 7-10, 12, 15-16, and 28-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al. (herein after Wies) US Patent No. 6,161,126 filed 2/2/1999, in view of Conrad et al. (herein after Conrad) US Patent No. 6,028,605 filed 2/3/1998.**

**In regard to independent claim 1, Wies discloses *a markup language core engine for providing layout and rendering behaviors* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine); *at least one external component designed to provide at least one of a layout behavior and a rendering behavior in addition to the behaviors provided by the core engine* (Wies Col 23 Line 35-38 i.e. external client machine Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine) *and, a mechanism included in the core engine to ... of the core engine with the behaviors of the at least one external component* (Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine), *such that the behaviors of the at least***

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*one external component (Wies Col 23 Line 35-38) participate with the behaviors of the core engine. (Wies Col 23 Line 2 browser engine)*

Wies does not specifically mention to extend the behaviors. However, Conrad mentions a special-purpose component designated to be a mechanism for extending functionality of already deployed system (Conrad Col 4 Lines 45-48). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of having plug-ins that would extend a system through a narrow channel as taught by Conrad Col 4 Line 45-54.

**In regard to dependent claim 2,** Wies discloses *wherein each external component has associated therewith at least one pair of interfaces (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4) so that the behavior of the external component can participate with the behaviors of the core engine (Wies Col 23 Line 35-38 i.e. external client machine Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine), a first interface of each pair exposed by the external component for querying by the mechanism (Wies Abstract Line 4 Wies Col 23 Line 35-38 i.e. external client machine and Col 22 Lines 55-57), and a second interface of each pair exposed by the mechanism for querying by the external component. (Wies Abstract Line 4 Wies Col 23 Line 35-38 i.e. external client machine and Col 22 Lines 55-57)*

**In regard to dependent claim 3,** Wies discloses *wherein the behaviors provided by one of the at least one external component (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine) override comparable behaviors of the core engine (Wies Col 18 Lines 60 i.e. override Wies Col 3 Lines*

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35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine)

**In regard to independent claim 7,** Wies discloses *a method of the external component to determine how the behavior of the external component participates with the behavior of the core engine* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine); *calling behavior method of the external component for the external component to provide the behavior of the external component when the core engine is providing the behavior of the core engine, so that the behavior of the external component participates with the behavior of the core engine* (Wies Col 23 Line 35-38 i.e. external client machine Wies Col 18 Lines 60 i.e. override Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine); *and, receiving a call to a corresponding behavior method of the mechanism for the external component to communicate with the core engine during participation of the behavior of the external component with the behavior of the core engine.* (Wies Col 20 Lines 25-29 Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Wies Col 12 Lines 9-13 Col 23 Line 2 browser engine)

Wies does not specifically mention an initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

**In regard to dependent claim 8,** Wies discloses *wherein the mechanism is part of the core engine* (Wies Col 22 Lines 55-57 Col 23 Line 2 browser engine)

**In regard to dependent claim 9,** Wies discloses *wherein the behavior is the layout behavior.* (Wies Col 3 Lines 35-63 i.e. HTML, Layout)

**In regard to dependent claim 10,** Wies discloses *wherein the behavior is fully delegated to the external component from the core engine* (Wies Col 4 Lines 52-55 i.e. assigned Wies Col 23 Line 35-38 i.e. external client machine and Col 23 Line 2 browser engine), *which is specified by the external component in response to ... the external component.* (Wies Col 23 Line 35-38 i.e. external client machine)

Weis does not specifically mention *calling the behavior initialization method*. However, Conrad mentions an initialization service (Conrad Col 8 Lines 16-17). It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of have an initialization step to supply a set of queries as taught by Conrad Col 8 Lines 16-17.

**In regard to dependent claim 12,** Wies discloses *wherein the behavior is the rendering behavior.* (Wies Col 19 Lines 50-64 HTML, rendering)

**In regard to dependent claim 15,** Wies discloses *further initially comprising call a query method of the external component implementing the behavior.* (Wies Abstract Line 4 Wies Col 23 Line 35-38 i.e. external client machine and Col 22 Lines 55-57) (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering)

**In regard to dependent claim 16,** Wies discloses *wherein the method is performed by execution of a computer program from a computer-readable medium by a processor.* (Wies Col 48 Lines 34-38)

**In regard to independent claim 28,** Claim 28 reflects similar subject matter in addition to the following as claimed in claim 1 and is rejected along the same rationale. *A computer-readable medium having one or more computer programs stored thereon* (Wies Col 48 Lines 34-38)

**In regard to independent claim 29,** Claim 29 reflects similar subject matter as claimed in claim 1 and is rejected along the same rationale

5. **Claims 4-6, and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Conrad et al. as applied to claim 1 and in further view of Ramaley et al. (herein after Ramaley) U.S. Patent No. 6,585,777 B1 filed 6/19/1999.**

**In regard to dependent claim 4,** Wies discloses *wherein the behaviors provided by one of the at least one external component of the core engine* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 35-38 i.e. external client machine and Col 6 Lines 1-5 i.e. similar Col 23 Line 2 browser engine)

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

**In regard to dependent claim 5,** Wies discloses *wherein the behaviors provided by one of the at least one external component* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine)

Wies does not specifically mention behaviors that are attached and can be applied and then removed. However, Ramaley mentions attached behaviors that can be applied and removed (Ramaley Col 9 Lines 28 i.e. connected Col 5 Lines 50-53 i.e. embedded and Col 5 Lines 54 i.e. removed). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a file embedded within a primary file that is detected and a location removed for the file to represent the embedded file as taught by Ramaley Col 5 Line 50-55.

**In regard to dependent claim 6,** Wies discloses *wherein the behaviors provided by one of the at least one external component are element behaviors* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine)

Wies does not specifically mention behaviors that are applied. However, Ramaley mentions behaviors that are applied (Ramaley Col 9 Lines 28 i.e. connected). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of connecting to having an exemplary operating environment.

**In regard to dependent claim 11,** Wies discloses *wherein the behavior implemented by the external component is called after the ... of the core engine is performed* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine) *which is specified by the external*



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*component in response to calling the behavior ... of the external component* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine)

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

Wies does not specifically mention an initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

6. **Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Conrad et al. as applied to claim 12 and in further view of Merrick et al. (herein after Merrick) U.S. Patent No. 6,636,219 B2 filed 2/26/1998, in further view of Ramaley et al. (herein after Ramaley) U.S. Patent No. 6,585,777 B1 filed 6/19/1999, and in further view of Lamping et al. (herein after Lamping) U.S. Patent No. 6,324,551 B1 filed 8/31/1998,**

**In regard to dependent claim 13, Wies discloses *wherein rendering by the behavior of the external component ... rendering* (Wies Col 19 Lines 50-64 HTML, rendering Col 23 Line 35-38 i.e. external client machine) *by the ... core engine, which is specified by the external***

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*component* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine)

Wies does not specifically mention replacing the rendering. However, Merrick mentions replacing gestures (Merrick Col 13 Line 30). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Merrick to Wies, providing Wies the benefit of replacing gestures without concern for backward compatibility in browser control as taught by Merrick Col 13 Lines 24-32.

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

Wies does not specifically mention an initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

Wies does not specifically mention calling a behavior and receiving a call. However, Lamping mention a call being made to a document management system (DMS) (Lamping Col 58-59). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of having a call made to allow the

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DMS to function so as to achieve the intended concepts of the invention as taught by Lamping Col 10 Lines 51-65.

7. **Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Conrad et al. as applied to claim 12, in further view of Ramaley et al. (herein after Ramaley) U.S. Patent No. 6,585,777 B1 filed 6/19/1999, and in further view of Lamping et al. (herein after Lamping) U.S. Patent No. 6,324,551 B1 filed 8/31/1998,**

**In regard to dependent claim 14, Wies discloses *wherein rendering by the behavior of the external component intersperses with rendering or the core engine* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine)**

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

Wies does not specifically mention an initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

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Wies does not specifically mention calling a behavior and receiving a call. However, Lamping mention a call being made to a document management system (DMS) (Lamping Col 58-59). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of having a call made to allow the DMS to function so as to achieve the intended concepts of the invention as taught by Lamping Col 10 Lines 51-65.

8. **Claims 17-19, 21-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Merrick et al., in view of Lamping et al. (herein after Lamping) U.S. Patent No. 6,324,551 B1 filed 8/31/1998, in further view of Barlow et al. (herein after Barlow) U.S. Patent No. 6,275,935 B1 filed 4/17/1998, and in further view of Luckenbaugh U.S. Patent No. 5,991,877 filed 4/3/1997.**

**In regard to independent claim 17, Wies discloses *a first interface returned for the ... rendering behavior by the external component for ... by the mechanism* (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4), *the first interface ...*, and *an initial method to request that the external component specify how the ... rendering behavior participates in rendering with the rendering behavior of the core engine* (Wies Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine); and, *a second interface exposed by the mechanism for ... by the external component during participation in rendering* (Wies Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine), *the second interface providing at least an invalidate...method to specify that a .. rendered by the external component,***

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*and an invalidate region method to specify that: a ... region rendered (by the external component ...*

Wies does not specifically mention calling a behavior and receiving a call. However, Lamping mention a call being made to a document management system (DMS) (Lamping Col 58-59). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of having a call made to allow the DMS to function so as to achieve the intended concepts of the invention as taught by Lamping Col 10 Lines 51-65.

Wies does not specifically mention to extend the behaviors. However, Merrick mentions and extensible format (Merrick Col 15 Line 31). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Merrick to Wies, providing Wies the benefit of having an extensible format to support a variety of other commands or conditions in future versions as taught by Merrick Col 15 Lines 30-32.

Wies does not specifically mention a *drawing* component for calling. However, Barlow mentions to draw a path (Barlow Col 14 Line 50). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Barlow to Wies, providing Wies the benefit of having a drawing component to create a series of lines between to controlled points along which an object can travel as taught by Barlow Col 14 Lines 48-53.

Wies does not specifically mention having a rectangle rendered. However Barlow mentions a rectangle (Barlow Col 14 Line 18). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Barlow to Wies, providing Wies the benefit

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of having rectangle for the designer to click on and move to various locations as taught by Barlow Col 14 Lines 9-24.

Wies does not specifically mention an obsolete behavior. However, Lukenbaugh mentions obsolete data (Lukenbaugh Col 1 Lines 66-67). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lukenbaugh to Wies, providing Wies the benefit of having obsolete data to avoid issues of data integrity as taught by Luckenbaugh Col 1 Lines 54-67.

**In regard to dependent claim 18,** Wies discloses *wherein the first interface further provides a hit method to indicate that the method needs to perform functionality ....* (Wies Abstract Line 4 and Col 5 Line 40 i.e. functionality)

Wies does not specifically mention having a rectangle rendered. However Barlow mentions a rectangle (Barlow Col 14 Line 18). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Barlow to Wies, providing Wies the benefit of having rectangle for the designer to click on and move to various locations as taught by Barlow Col 14 Lines 9-24.

**In regard to dependent claim 19,** Wies discloses *wherein the second interface further provides a retrieve information method to obtain information requested by the external component in the initial method of the first interface called by the external component* (Wies Abstract Line 4 Col 12 Lines 29-31 i.e. retrieve Col 23 Line 35-38 i.e. external client machine)

**In regard to dependent claim 21,** Wies discloses *wherein the second interface further provides a hit method to determine an identifier of a specific component before the specific*

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*component is hit.* (Wies Abstract Line 4 Col 35 Line 6-8 i.e. identifier Col 12 Lines 33-35 i.e. components)

**In regard to dependent claim 22,** Wies discloses *an additional interface returned for the ... rendering behavior by the external component for ... by the mechanism providing at least an additional initial method to request that the external component specify how the ... rendering behavior participates in rendering with the ... rendering behavior of the core engine as the rendering relates to events, and an event target method to request that an event fires an element other than an element to which the external component is attached.* (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4 Col 19 Lines 50-64 HTML, rendering Col 23 Line 2 browser engine)

Wies does not specifically mention to extend the behaviors. However, Merrick mentions and extensible format (Merrick Col 15 Line 31). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Merrick to Wies, providing Wies the benefit of having an extensible format to support a variety of other commands or conditions in future versions as taught by Merrick Col 15 Lines 30-32.

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

Wies does not specifically mention calling a behavior and receiving a call. However, Lamping mention a call being made to a document management system (DMS) (Lamping Col

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58-59). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of having a call made to allow the DMS to function so as to achieve the intended concepts of the invention as taught by Lamping Col 10 Lines 51-65.

Wies does not specifically mention an event that fires an element other than an element. However, Barlow mentions that an object designer can include other behaviors (Barlow Col 5 Lines 6-10). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Barlow to Wies, providing Wies the benefit of getting other behaviors and elements which plays a great role in the collision step as taught by Barlow Col 5 Lines 1-33.

9. **Claim 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Merrick et al., in view of Lamping et al. (herein after Lamping) U.S. Patent No. 6,324,551 B1 filed 8/31/1998, in view of Barlow et al. (herein after Barlow) U.S. Patent No. 6,275,935 B1 filed 4/17/1998, and in view of Luckenbaugh U.S. Patent No. 5,991,877 filed 4/3/1997, as applied to claim 17, and in further view of Conrad et al. (herein after Conrad) US Patent No. 6,028,605 filed 2/3/1998.**

**In regard to dependent claim 23, Wies *discloses wherein the additional interface further provides a set cursor method to allow the external method, ... the method for a part name that has been hit.*** (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4 Col 19 Lines 50-64 HTML, rendering Col 23 Line 2 browser engine)

Wies does not specifically mention having a string method, however Conrad mentions a String method (Conrad Col 7 Lines 24-36 ). It was have been obvious to one of ordinary skill in



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the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of having a string method which would allow the system to simplify a presentation layer as taught by Conrad Col 7 Lines 24-30.

Wies does not specifically mention having a cursor set or a changed cursor. However, Barlow mentions a cursor (Barlow Col 5 Line 48). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Barlow to Wies, providing Wies the benefit of having a cursor to choose and select certain items as taught by Barlow Col 5 Lines 47-57.

10. **Claims 25-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al. (herein after Wies) US Patent No. 6,161,126 filed 2/2/1999, Merrick et al. (herein after Merrick) U.S. Patent No. 6,636,219 B2 filed 2/26/1998, and in further view of Luckenbaugh U.S. Patent No. 5,991,877 filed 4/3/1997.**

**In regard to independent claim 25,** Wies discloses *a first interface returned for the ... layout behavior by the external component for ... by the mechanism* (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4 Col 19 Lines 50-64 HTML, rendering Col 23 Line 2 browser engine); *the first interface providing at least a ... method for the external component to specify a... a position method for the external component to specify a default position, and an initial method to request that the external component specify how the ... layout behavior participates in layout with the layout behavior of the ...* (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4 Col 19 Lines 50-64 HTML, rendering Col 23 Line 2 browser engine); *and a second interface exposed by the mechanism for ... by the external component*

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*during participating in layout, the second interface providing at least an invalidate layout method to specify that the ... layout behavior of the external component is to participate in layout with the comparable layout behavior of the ... differently than previously specified, and an invalidate ... method to specify that a layout of the ... layout behavior* (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4 Col 19 Lines 50-64 HTML, rendering Col 23 Line 2 browser engine)

Wies does not specifically mention to extend the behaviors. However, Merrick mentions and extensible format (Merrick Col 15 Line 31). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Merrick to Wies, providing Wies the benefit of having an extensible format to support a variety of other commands or conditions in future versions as taught by Merrick Col 15 Lines 30-32.

Wies does not specifically mention sizes and having a default size. However, Merrick mentions sizes (Merrick Col 25 Lines 1-3). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Merrick to Wies, providing Wies the benefit of sizes for downloading purposes as taught by Merrick Col 8 Lines 1-28.

Wies does not specifically mention an obsolete behavior. However, Lukenbaugh mentions obsolete data (Lukenbaugh Col 1 Lines 66-67). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lukenbaugh to Wies, providing Wies the benefit of having obsolete data to avoid issues of data integrity as taught by Luckenbaugh Col 1 Lines 54-67.

**In regard to dependent claim 26,** Wies discloses *wherein the first interface further provides a ... method to expand a layout of the extended layout behavior beyond original*

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*borders of the layout.* (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4 Col 19 Lines 50-64 HTML, rendering Col 23 Line 2 browser engine Wies Col 8 Lines 10-12 i.e. move)

Wies does not specifically mention a *map* size. However, Merrick mentions a map file (Merrick Col 12 Line 10). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Merrick to Wies, providing Wies the benefit of having a map to convert recognized phonemes into appropriate positions as taught by Merrick Col 12 Lines 8-12.

**In regard to dependent claim 27,** Wies discloses *wherein the second interface further provides a resolution method to retrieve a current measuring resolution.* (Wies Abstract Line 4 and Col 22 Lines 34-42 i.e. resolving a problem with DHTML)

**11. Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Merrick et al., in view of Lamping et al. (herein after Lamping) U.S. Patent No. 6,324,551 B1 filed 8/31/1998, in further view of Barlow et al. (herein after Barlow) U.S. Patent No. 6,275,935 B1 filed 4/17/1998, and in further view of Luckenbaugh U.S. Patent No. 5,991,877 filed 4/3/1997 as applied to claim 17, and in further view of Edelstein et al. (herein after Edelstein) U.S. Patent No. 6,101,537 filed 6/8/1998.**

**In regard to dependent claim 20,** Wies does not specifically mention global/local and local/global. However, Edelstein mentions *global/local* (Edelstein Col 13 Line 38) and *local/global* (Edelstein Col 13 Lines 63-64). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Edelstein to Wies, providing Wies the benefit

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of having global and local transformation for caching and maintenance of the database as taught by Edelstein Col 13 Lines 20-67.

Wies does not specifically mention coordinates. However, Barlow mentions coordinates (Barlow Col 9 Lines 7-8). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Barlow to Wies, providing Wies the benefit of having coordinates to for the display and manipulation of images as taught by Barlow Col 9 Lines 1-16.

Wies does not specifically mention transforming a point. However, Lamping mentions changes (Lamping Col 7 Lines 26-28). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of transforming or changing points to keep the user from being burdened with modifying and management characteristics of each document as taught by Lamping Col 7 Lines 23-34.

**12. Claim 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Conrad as, in view of Merrick et al. as applied to claim 17, in further view of Lamping et al. (herein after Lamping) U.S. Patent No. 6,324,551 B1 filed 8/31/1998, in further view of Barlow et al. (herein after Barlow) U.S. Patent No. 6,275,935 B1 filed 4/17/1998, in further view of Luckenbaugh U.S. Patent No. 5,991,877 filed 4/3/1997 and is further view of Phillips et al. (herein after Phillips) U.S. Patent No. 6,442,618 B1 filed 9/23/1996.**

**In regard to dependent claim 24, Wies discloses *an additional interface returned for the extended rendering behavior by the external component for ... by the mechanism providing at least an on move method to allow the external component to update a hardware overlay buffer***

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*used by the extended rendering behavior.* (Wies Col 23 Line 35-38 i.e. external client machine and Abstract Line 4 Col 19 Lines 50-64 HTML, rendering Col 23 Line 2 browser engine Wies Col 8 Lines 10-12 i.e. move)

Wies does not specifically mention calling a behavior and receiving a call. However, Lamping mention a call being made to a document management system (DMS) (Lamping Col 58-59). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of having a call made to allow the DMS to function so as to achieve the intended concepts of the invention as taught by Lamping Col 10 Lines 51-65.

Wies does not specifically mention to extend the behaviors. However, Merrick mentions and extensible format (Merrick Col 15 Line 31). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Merrick to Wies, providing Wies the benefit of having an extensible format to support a variety of other commands or conditions in future versions as taught by Merrick Col 15 Lines 30-32.

Wies does not specifically mention updating a component. However, Lamping mentions updating (Lamping Col 13 Line 48). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of updating which would be a valuable component for the desired level of integration which familiar applications as taught by Lamping Col 13 Lines 47-50.

Wies does not specifically mention having a hardware overlay buffer. However, Phillips mentions a buffer (Phillips Col 9 Lines 34). It was have been obvious to one of ordinary skill in

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the art at the time the invention was made to apply Phillips to Wies, providing Wies the benefit of having a buffer for externalized and write operations as taught by Phillips Col 9 Lines 49-56.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Londra C Burge whose telephone number is 703-305-8784. The examiner can normally be reached on 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on 703-308-5186. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, DC 20231

**Or faxed to:**

(703) 746-7239 (for formal communications intended for entry)

**Or:**

(703) 746-7240 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

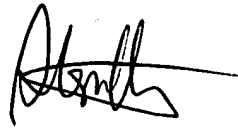
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**Or:**

**(703) 746-7238 (for after-final communications)**

**Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,  
Arlington, VA, Fourth Floor (Receptionist).**

Londra C Burge  
5/5/2004



**STEPHEN S. HONG  
PRIMARY EXAMINER**